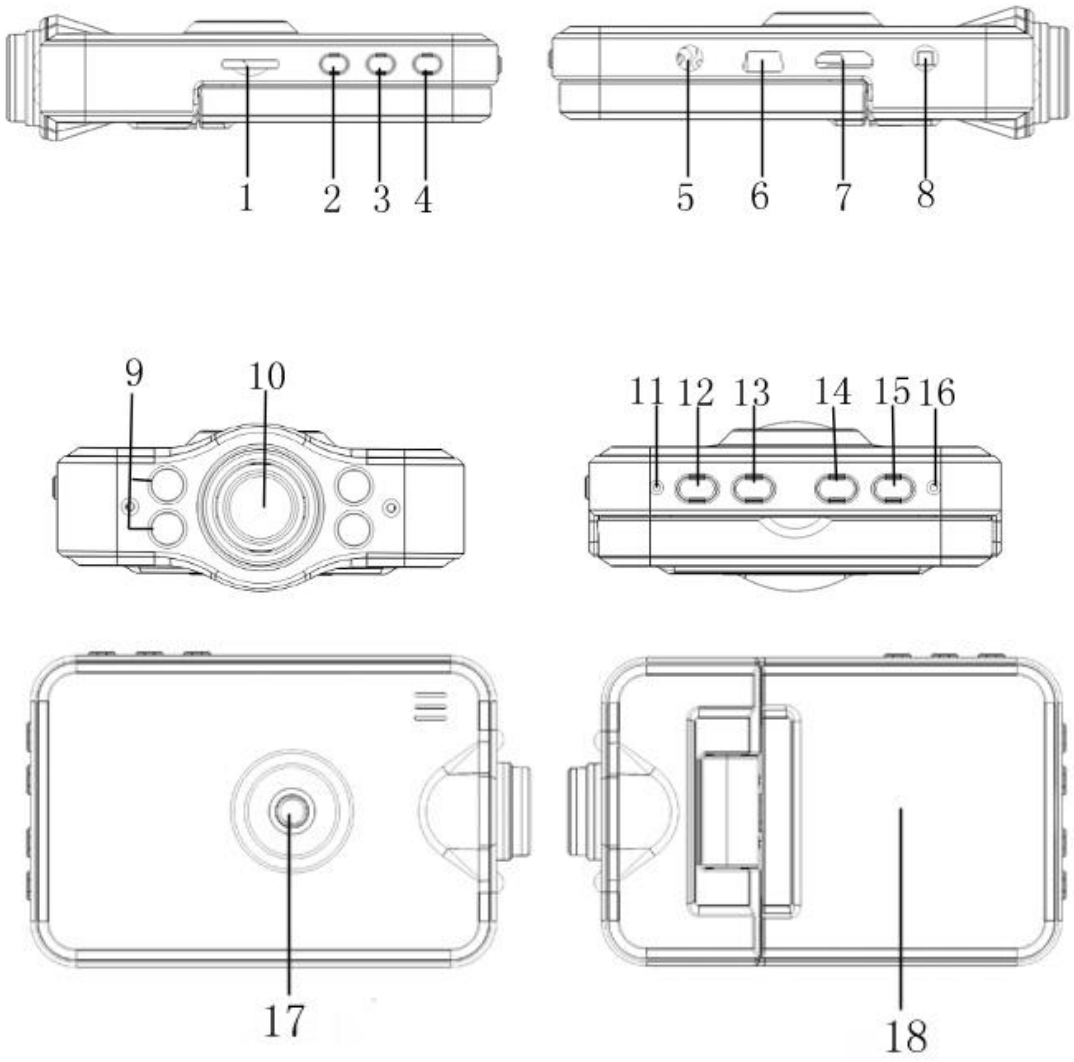
User Manual

Product Introduction

- Product structure



1）TF Slot　　2） UP　　3）MENU

4）DOWN　　5）GPS Connection Port　　6）USB

7）HDMI　　8）AV Port　　9）Night Vision LED Flash

10）Viewing Lens　　11）Charging Indicator　　12）OK

13）Power　　14）HOLD　　15）Mode

16）Working Indicator　　17）Bracket Hole　　18）LCD Monitor

Description of Function Keys:

- 1）TF Slot

  TF Memory Card Slot

- 2）UP

  In standby mode, short press “UP” for changing recording mode only front lens or rear lens or the two together.

  LCD display shows A when front lens working, shows B when rear lens working， A+B for dual lens working；

- 3）MENU

  Short press: Setting menu.

  Long press: change setting options

- 4）DOWN

  In menu status, down to select options keys；

  In dual camera working status, short press to switch recording mode between front lens and rear lens.

- 5）GPS

  External GPS Connector Port

- 6）USB

  USB Data Interface，①Connecting PC to transfer data；②Connecting external power for charging or working;

- 7）HDMI

  HDMI output to connect high-definition display devices；

- 8）AV Port

  Analog video signal input interface, for connecting external analog signals.

- 9）Night Vision LED Flash

  Night Vision lighting, turn on it by short press “POWER” button..

- 10）Front Lens

  HD Front Viewfinder

- 11）Charging Indicator

  When Connecting external power or PC, the indicator will keep lighting on.

When battery fully charged, it will go out automatically

- 12）OK

  Video and photographs confirmation button. Video mode, short press to start recording, press again for ending.

  Photograph mode, short press to take photos

  Menu mode, press ok to confirm.

- 13）Power

  Long press to turn device on/off. Short press to turn on/off the night vision led lights；

- 14）HOLD

  Press this button when recording, the current video is saved and can not be delete.

- 15）MODE

  Short press to switch recording/photographing/replay

- 16）Working Indicator

  Video Recording indicator. Keeping on in standby model, flashing when recording or photographing.

- 17）Bracket Hole

  For Bracket installation.

- 18）LCD Monitor

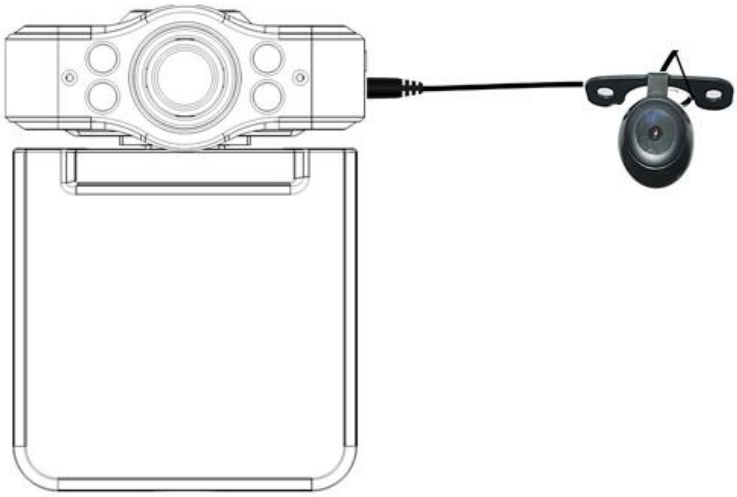
  Rotated 2.4” TFT HD LCD, 270-Degree adjustable.

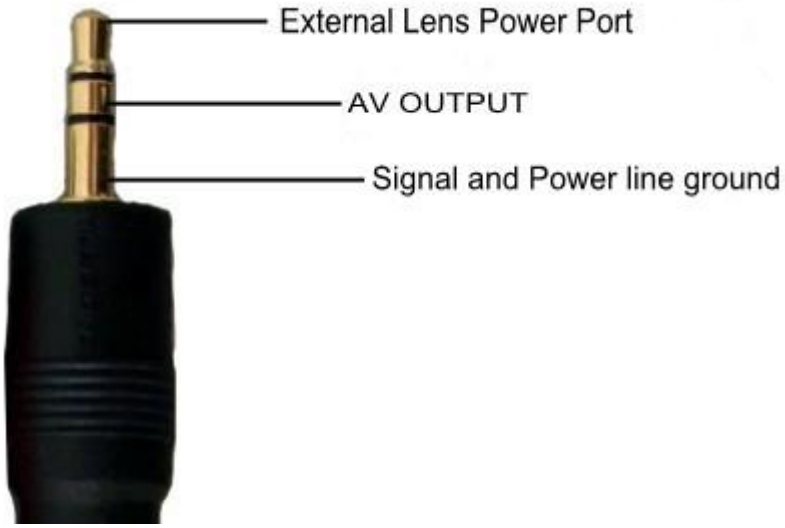
Special Function Description：

- Support AV input

  AV-IN port connect external len to record synchronization with front digital len and save as corresponding files: Front len –A files, External len-B files ,convenient for customers to distinguish Front len and Rear len video.

  Connecting picture：





- G-sensor function

  When gravitational acceleration reach 1g(1g=9.80m/s^2), machine automatically save present video as undeletable files, and file is begin with ZW.

  G-sensor is adjustable in Menu among 2G-4G-6G-8G, 4G original.

- HOLD function

  Press on this button when recording ,20seconds around press the video file saved as undeletable file begin with ZW

- GPS（optional）

  Collect GPS data when recording, show driving track in player software.

- Automatic power on/off function
- Support recording Start and shutdown synchronization with Auto and save the

video files After connect to the vehicle power supply

- Seamless loop recording, don't leak second

REC/photo operation specifications

- Power on/off

  Press on one time to start, Blue indicator light will shine when power on

  Then press again on to shutdown and the blue indicator light go out

  Notice: video instrument will automatically power off after waning of low battery

- REC mode

  Short press on shift to REC mode, REC icon is on the top left corner

  Short press on to start recording, recording icon and indicator light shinning indicate the recording is on the way

- Photo mode

  Short press on shift to photo mode, an photo icon is on the top left corner

  Then short press on to take a photo, screen flash one time means photo completed

- Video/photo playback

  Short press on , shift to playback mode , playback icon is on the top left corner

  Short press on key can choose files up

  Short press on key can choose files down

  Short press on to play the selected video files

- Menu setting

  Short press on enter video set status, re-press to shift among "resolution" "video duration" "setting"

  Press or keys to choose up and down in setting items.

  Select the items which needed change, short press to modify.

Time settings

Continuous short press to enter “setting item”, here short press on to choose Time Setting, short press on to enter, then short press can make shifts among year/month/date/hour/minutes/second. Adjust figure through buttons, then press “OK” button to confirm modification.

- Display switchover

  In A+B REC mode, short press button can switch between front and rear lens.

USB mode

Separate USB cable and computer, press “power on” button, car DVR will automatically show USB menu ,there are three modes available :

1：USB-Disk

In this mode we can access video files and photo files

2：PC-Camera

In this mode USB video equipment are shown, can take photo or make video chat

3.REC-Mode

Choose this mode can take video recording when connected to PC

Battery instruction

- Battery indication image:

Full battery

slightly low battery

low battery

battery empty

- There are three methods to charge, the red indicator light up when charging, the entire charging time is about 180 minutes, and the red indicator light automatically off when charging completed.

1. Use power adapter to charge
2. Use PC-USB to charge
3. Use vehicle power to charge

Remark: when appear crash because of improper operation, remove battery or press "reset" button to restart.

Products specifications

Features	External lens acceptable HD camera, HD video recording
LCD screen size	2..4LTPS
Lens	Front len:140 degree A + grade high-resolution ultra wide-angle lens Rear lens: 90 degree analogue signal output wide-angle lens
Language	Russian, Japanese, English, Chinese (simplified), Chinese (Traditional), Korean, etc…
Files format	MOV
Resolution	Internal lens 720*480 pixels External lens 720*480 pixels (max)
Continuous loop video	seamless loop recording, don't leak second
Automatically power on/off	Support auto ignition boot, turn off shutdown
Motion Detection Function	support
Time synchronization	Support (Y/M/D/H/M)
Photo mode	3 million
Photo format	JPEG
Memory card	TF (max 32GB)
MIC	Support
Built-in stereo	Support
White lighting	Support

Video input	Support
Video output	HDMI
Video format	PAL/NTSC
Current frequency	50HZ/60HZ
USB function	USB-Disk
Power interface	5V 800ma
Battery	Built-in 600mAh

Trouble shooting:

➢ For problems in normal operating situation ,please try these methods below:

- Can’ t take photo and recording

  Check the if the TF card has enough space or locked

- Automatically stop when recording

  Use the compatible high-speed TF card with SDHC because of big HD video data, the high-speed TF card have identifying of C4 and C6

- Appear “files error” when replay photo or video

  Uncompleted files because of TF card storage error, please use formatting function to format your TF card

- No image on HD TV screen

  To make sure that AV,HDMI cable plug have connected correctly, and TV have reset in the AV,HDMI condition

- Unclear video

  Check if there are any dirt or fingerprint; and use lens paper to clear the camera len.

- Black image when recording sky or water scene

  Scenes with big contrast will influence the automatic exposure function of camera, you can adjust “EV in setting mode to correct.

- Color is not perfect in cloudy day and outdoor light

  Set the “white balance” function to automatic

- cross stripe interference in image

  Because of wrong “light frequency” ,please set it to 50Hz or 60Hz according to the local power supply frequency

- **Can’t change to rear-lens mode**

Check if rear-lens connected and well-connected; or reconnect it.

- **Black image with rear-lens**
  Check if rear-lens is well-connected; or reconnect it.

- **Crash**

  Restart by pressing shortly on" RESET" button after crash